



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D C 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 30, 2012

Matthew Granahan
Regulatory Manager
Nufarm Americas Inc
150 Harvester Drive, Suite 200
Burr Ridge, IL 60477

Subject Amendment – Adding Watering Verbiage
 Bifenthrin 0.058% Granule
 EPA Reg No 228-495
 Your submission dated May 29, 2012

Dear Mr Granahan

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable subject to the comments listed below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

1. Replace “Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco” with “Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet” in the Precautionary Statement.
2. Delete “heavy” from the sentence “Applying this product in calm weather when heavy rain is not predicted etc” in the Environmental Hazards section.
3. Revise the following Optional Front Panel Claims as follows
 - Replace “Kills bugs” with “Kills listed bugs”
 - Replace “Controls a variety of lawn insects” with “Controls listed lawn insects”
 - Replace “Turf Insect Control” with “Control listed Turf Insects”
4. Delete the sub-heading “This product is designed to control a variety of insects on residential lawns” from the front panel. These claims imply a greater range of effectiveness than labeled.

If you have any questions regarding this action, please contact BeWanda Alexander at Alexanderbewanda@epa.gov or (703) 305-7460

Sincerely,


Richard Gebken
Product Manager
Insecticide Branch
Registration Division (7505P)

Enclosure

BIFENTHRIN 0.058% Granule

THIS PRODUCT IS DESIGNED TO CONTROL A VARIETY OF INSECTS ON RESIDENTIAL LAWNS

ACCEPTED with COMMENTS In EPA Letter Dated AUG 30 2012 Under the Federal Insecticide Fungicide and Rodenticide Act as amended for the pesticide registered under EPA Reg No 228-495

ACTIVE INGREDIENT

Bifenthrin*

0.058%

OTHER INGREDIENTS

99.942%

TOTAL

100.000%

Cis isomers 97% minimum trans isomers 3% maximum

**KEEP OUT OF REACH OF CHILDREN
CAUTION - PRECAUCION**

Si usted no entiende la etiqueta busque a alguien para que se la explique a usted en detalle
(If you do not understand the label find someone to explain it to you in detail)

[SEE SIDE PANELS FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS]

For Chemical Spill Leak Fire or Exposure Call CHEMTREC (800) 424 9300
For Medical Emergencies Only Call (877) 325 1840
[For Product Inquiry Call (XXX) XXX XXXX]

**IMPORTANT! ALWAYS STORE THIS PRODUCT OUT OF REACH
OF PETS AND DOMESTIC ANIMALS**

NOTE Spanish language is optional

EPA REG NO 228-495
EPA EST NO

MANUFACTURED BY
NUFARM AMERICAS INC
BURR RIDGE IL 60527



NET CONTENTS ____ lbs / (____ kg)
Covers XXXX square feet

OPTIONAL FRONT PANEL CLAIM

- Controls a variety of lawn insects
- For Lawns
- Turf Insect Control
- Controls the following insects Ants Armyworms Billbugs (Adult) Ticks Chiggers Chinch Bugs Crickets Fleas Millipedes Mole Crickets Sod Webworms (Lawn Moth) and many others as listed
- Contains Bifenthrin
- Kills bugs

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION PRECAUCION**

Harmful if absorbed through skin Causes moderate eye irritation Avoid contact with skin eyes or clothing Wash thoroughly with soap and water after handling and before eating drinking chewing gum or using tobacco Remove and wash contaminated clothing before reuse

| FIRST AID | |
|---|--|
| IF ON SKIN OR CLOTHING | <ul style="list-style-type: none"> • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15 to 20 minutes • Call a poison control center or doctor for treatment advice |
| IF IN EYES | <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes • Remove contact lenses if present after the first 5 minutes then continue rinsing eye • Call a poison control center or doctor for treatment advice |
| HOT LINE NUMBER | |
| Have the product container or label with you when calling a poison control center or doctor or going for treatment You may also contact 1 877 325 1840 for emergency medical treatment information | |
| NOTE TO PHYSICIAN | |
| This product is a pyrethroid If large amounts have been ingested milk cream or other digestible fats and oils may increase absorption and should be avoided | |

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates Drift and run off from treated areas may be hazardous to aquatic organisms in neighboring areas To protect the environment **DO NOT** allow pesticide to enter or run off into storm drains drainage ditches gutters or surface waters Applying this product in calm weather when heavy rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area Sweeping any product that lands on the driveway sidewalk or street back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage system

DIRECTIONS FOR USE

Read all directions prior to application of the product
 It is a violation of Federal law to use this product in a manner inconsistent with its labeling
 Not for use on turf being grown for sale or other commercial use as sod or for commercial seed production or for research purposes
 Not to be used on golf courses sod farms commercial greenhouses nurseries or grass grown for seed
 In New York State **DO NOT** apply to turf within 100 feet of a coastal marsh or of a water body lake pond river stream wetland or drainage ditch In New York State make a single repeat application of this product if there are signs of renewed insect activity but not sooner than two weeks after the first application
 Do not allow children or pets to enter the area until dry

Apply this product directly to the lawn or garden area Water treated area as directed on this label **DO NOT** water to the point of run off

DO NOT make applications during rain Application is prohibited directly into sewers or drains or to any area like a gutter where drainage to sewers storm drains water bodies or aquatic habitat can occur **DO NOT** allow the product to enter any drain during or after application

INSECTS CONTROLLED

Use to control the following lawn insects

| PEST | USE RATE PER 1 000 SQ FT | COMMENTS |
|--|-----------------------------|--|
| Chiggers Chinch Bugs Sod Webworms (Lawn Moth) | 2 pounds | Irrigate or water thoroughly immediately after application |
| Annual Bluegrass Weevils (Hyperodes) (Adult) Armyworms Billbugs (Adult) Black Turfgrass Ataenius (Adult) Centipedes Crickets Leafhoppers Mealybugs Millipedes Pavement Ants Pillbugs Red Ants Sowbugs Weevils | 2 to 4 pounds | Irrigate or water thoroughly immediately after application |
| Ants Fire Ants Feas Imported Fire Ants Mole Crickets Ticks | 4 to 8 pounds | Irrigate or water thoroughly immediately after application |

Treat when insects first appear. Apply this product evenly over the turfgrass area at the use rate indicated in the above table using a properly calibrated drop or rotary spreader. A more uniform application is achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at a right angle to the first. See specific pest for the use rate. Irrigate or water thoroughly immediately after application.

American Dog Ticks These ticks tend to gather along paths or roadways where humans are likely to be found.

Annual Bluegrass Weevil Treat to control the adult weevils as they migrate from their overwintering sites and move into grass areas. Contact your State Cooperative Extension Service for more specific information.

Armyworms, Cutworms, and Sod Webworms For best results, the treated area should be irrigated immediately after application with up to 0.1 inches of water to activate the insecticide.

Billbugs Apply when adult Billbugs are first observed during April and May. Consult your State Cooperative Extension Service for information on degree days and timing in your region.

Black Turfgrass Ataenius Apply treatments during May and July to control both generations of adults. Time May application to coincide with the full bloom stage of Vanhoutte spiraea and the Horse chestnut. Time July application to coincide with the blooming of Rose of Sharon.

Chinch Bugs These bugs infest the base of the plant and are usually found in the thatch layer. Watering the treated area with up to 0.25 inches immediately after application will result in quicker control.

Deer Ticks These ticks have a life cycle that ranges over a two year period and involves four life stages. Apply treatments in mid to late spring to control larvae and nymphs that are present on the soil.

Flea Larvae These larvae develop in the soil and shady areas. Irrigate the treated area with up to 0.5 inches of water immediately after application.

Imported Fire Ants Control will be optimized by combining broadcast applications and mound drenching. Irrigate prior to application if the soil is not moist. To mound drench, apply 2 cups of this product per mound. Then drench the mound with 1 to 2 gallons of water with sufficient force to break the apex and allow the water and product to flow into the tunnels. Also treat a four foot diameter circle around each mound. For best results, apply in cool weather (65-80°) or the early morning or late evening hours. Food utensils such as teaspoons and measuring cups used for pesticide application must not be used for food purposes.

Mole Cricket Adults These adults can be difficult to control because of their extremely active stage in the early spring. Apply as late in the day as possible and water up to 0.5 inches immediately after treatment. If the soil is not moist prior to application, irrigate to ensure best control.

Mole Cricket Nymphs Optimum control can be reached by treating young nymphs because they are more susceptible to the insecticide Irrigate soil if it is not moist before application Treat as late in day as possible Water the treated area with up to 0.5 inches directly after application

TICKS Do not make spot applications Treat the entire area where ticks occur Use the higher application rate if heavy leaf litter or dense ground cover exists

SPREADER SETTINGS

Broadcast Spreaders For best results apply in a circular path starting on the outside and working toward the center A little overlap of product will ensure complete coverage

Drop Spreaders First apply 2 border strips along the edge of each end of the lawn Then apply product along the length of the lawn overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strips

Important It is important to follow the directions as indicated on this quality lawn care product as over application may cause injury to the lawn Measure the size of the area to be treated and do not over or under apply Spreader settings are approximate Differences may occur due to condition of spreader speed at which applied and roughness of area treated Calibrate spreader prior to use according to the manufacturer's directions Check frequently to be sure equipment is working properly and distributing uniformly Close spreader when filling stopping or turning Do not hand spread

Note Following will be a list of application spreaders and approximate settings This list will vary dependent on market of spreaders (This note will not appear on final printed label)

| Spreader | 2 lbs /1,000 sq ft | 4 lbs /1,000 sq ft | 6 lbs /1,000 sq ft | 8 lbs /1,000 sq ft |
|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|
| aa | XX | XX | XX | XX |
| bb | XX | XX | XX | XX |
| cc | XX | XX | XX | XX |

Information regarding the contents and levels of metals in this product is available on the internet at

<http://www.wa.gov/aqr>

<http://www.aapfco.org/metals>

<http://www.regulatory.info.xx.com>

Optional performance guarantees

PERFORMANCE GUARANTEE If for any reason you are not satisfied with the results of this quality product return the bag with proof of purchase for a full refund

If for any reason you are not completely satisfied with the results after applying this product you are entitled to product replacement or your money back simply by presenting evidence of purchase to your local {store name}

Optional program

{brand} Year round Lawn Care Program

Early Spring Crabgrass Preventer plus Lawn Food

Late Spring Lawn Food or Weed & Feed

Summer Summer Lawn Food and/or Lawn Insect Control

Fall Fall Lawn Food or Fall Weed & Feed

Visit our website at {address}

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

PESTICIDE STORAGE Keep out of reach of children and animals Store in original container only Store in a cool dry place and avoid excess heat

PESTICIDE DISPOSAL AND CONTAINER HANDLING Nonrefillable container Do not reuse or refill this container If empty Place in trash or offer for recycling if available If partly filled Call your local solid waste agency for disposal instructions Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully TO THE EXTENT CONSISTENT WITH APPLICABLE LAW (1) THE GOODS DELIVERED TO YOU ARE FURNISHED AS IS BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES GUARANTEES OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER EITHER EXPRESS OR IMPLIED OR BY USAGE OF TRADE STATUTORY OR OTHERWISE WITH REGARD TO THE PRODUCT SOLD INCLUDING BUT NOT LIMITED TO MERCHANTABILITY FITNESS FOR A PARTICULAR PURPOSE USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE UNINTENDED CONSEQUENCES INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS OR THE MANNER OF USE OR APPLICATION INCLUDING WEATHER ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER MANUFACTURER AND SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS

LIMITATION OF LIABILITY

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If you do not agree with or do not accept any of the directions for use the warranty disclaimers or limitations on liability do not use the product and return it unopened to the Seller and the purchase price will be refunded

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All other trademarks are the property of their respective owners

(RV052912)

LABEL HISTORY

| File Name | Revision Mark | Comment |
|---|---------------|--|
| 000228 00495 20100903 PRN2000 5 2007 4 2008 1 Letter6 4 10 | RV090310 | Revised Environmental Hazards language for Pyrethroid product per PRN2008 1 and EPA Notice Letter June 4 2009 Revised container disposal language per PRN 2007-4 Revised language in accordance with PR Notice 2000 5 for mandatory labeling Revised warranty section |
| 000228 00495 20101123 MASTER | RV112310 | EPA approved label |
| 000228 00495 20120529 EPA Amendment | RV052912 | EPA Amendment |